



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

University Profile

2021

A purposeful future

The University of Wollongong is a leading global university, powered by its people, partnerships and communities. Our vision is to inspire a better future through education, research and partnership.

We look ahead to a future defined by a rapid rate of change and new opportunity.

Our values of intellectual openness, excellence and dedication, empowerment and academic freedom, mutual respect and diversity and recognition and performance, are what grounds us and leads us towards achieving our vision.

Three goals underpin our 2020-2025 Strategic Plan:

- Empowering our students for their future
- Creating knowledge for a better world
- Making a difference for our communities

(Our Strategic Plan is available to read at uow.info/2025).

Through this lens, we look forward to a purposeful future.

A future where we continue to work with industry, research partners, governments, communities and other universities to address society's critical economic, environmental, social and medical challenges – to make the world a better place. Both at home, and throughout our global network.

Right here and now, we are a vibrant, active and resilient University. And this Profile is a snapshot of just that.

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This is who we are

UOW is young, dynamic and innovative, and has become a benchmark for Australia's new generation of universities.

The quality of our teaching and research features prominently in national and international rankings, and we're proud to be among the top one per cent of universities in the world.

Harnessing our expertise and strength to create positive impact in our local and global communities is at the forefront of everything we do and shapes our University's purpose for the years to come.

We're globally recognised for delivering impactful research that drives positive change. UOW ranks 6th among the world's universities for social and economic impact in the THE Impact rankings, which are benchmarked against the United Nation Sustainable Development Goals.

In addition to our research impact, we produce some of the world's most employable graduates, by anticipating emergent industries and future jobs to prepare them for the future of work. Our graduates are ethical, mobile, technologically literate, and ready for multicultural workplaces.

Through our researchers, students, graduates and staff, we're working towards a more sustainable and equitable future for all. Now, more than ever, it's our responsibility to continue to use our knowledge and influence for the betterment of society.



P. Davidson

Professor Patricia M. Davidson
Vice-Chancellor and President
University of Wollongong

Top 200

Universities in the world¹

36,038

Student population

Onshore: 28,419, offshore 7,619

14th

Modern university in the world²

2,694

Total staff (headcount)

31st

University in the world in
social and economic impact³



1. QS World University Rankings 2021.
2. QS Top 50 Under 50 Rankings 2021.
3. Times Higher Education University Impact Rankings 2020.

A global university

UOW is a significant international player among Australian universities. In addition to our global network of campuses, students, graduates and academics, our international focus is strengthened through a collaborative network of partners across the globe.



A launch pad to the world

Just 80km south of Sydney, the coastal city of Wollongong is the 10th largest city in Australia and is noted for its beaches, clean environment and affordable homes.

In a prime location between the escarpment and the Tasman Sea, the vibrant coastal city is part of the Illawarra region, boasting a spectacular coastline, scenic rock pools and 17 patrolled beaches.

Wollongong is filled with a bustling nightlife and a growing live music and arts scene, through to beautiful botanic gardens and peaceful study spots.

With an industrial heritage, Wollongong is a globally-connected city that has demonstrated remarkable resilience over generations as it has adapted to the pressures of globalisation and technology-driven change. It offers diverse employment opportunities, world-class health, education and communication services and affordable accommodation.

The city's physical and social infrastructure helps underpin not just regional growth but broader national interests. Wollongong's Gross Regional Product is \$13.4B, around 60 per cent of the Illawarra region's \$23B economy.

300,000+

Illawarra population (including Wollongong, Shellharbour and Kiama)

3rd

largest city in New South Wales and 10th largest city in Australia

80km

or 1 hr to Sydney

2.5 hrs

to Canberra

5 million+

annual visitors to Wollongong

Australian campuses

UOW has nine campuses throughout NSW to provide exceptional learning experiences that are specially designed to meet the needs of our local students.



WOLLONGONG CAMPUS

UOW's Wollongong Campus is set in native Australian bush and is one of the most picturesque university campuses in Australia.

Apart from extensive teaching, research and administration buildings, the main campus includes student residences, a library, conference facilities, food halls, cafes, restaurants and a bar, retail outlets, indoor sports centres and gymnasium, Olympic-standard swimming pool and sports fields.

The campus is situated at the base of Mt Keira, a few kilometres north-west of Wollongong CBD. Prominent buildings include Molecular Horizons, the SMART Infrastructure Facility, the Illawarra Health and Medical Research Institute, and Early Start.

UOW COLLEGE AUSTRALIA

UOW College Australia is located on UOW's Wollongong campus. UOW College offers pathway programs to the University of Wollongong and vocational courses to prepare students for their futures.



INNOVATION CAMPUS

The Innovation Campus is a global nexus in strengthening business, education and research ties and has contributed greatly to increased collaboration between UOW and industry. The award-winning research, innovation and commercial precinct is helping to activate new economic activity and regional jobs, as well as increase Australia's innovation performance.

The \$600 million precinct is home to four of the University's research institutes which work in the development of "intelligent" innovative materials with the potential to regenerate damaged human nerves, the development of superconductors that make energy transmission more efficient, and new techniques for sustainable building design.

The Campus is also home to a well-established community of innovative multinational and national companies, including NEC Australia.



METRO CAMPUSES

UOW has three campuses in Sydney, including a campus in South Western Sydney, one of the fastest growing regions of New South Wales.

The South Western Sydney campus in Liverpool provides world-class educational opportunities in undergraduate and postgraduate programs, and represents a long-term commitment to the region.

UOW commenced operations in Liverpool in February 2017 with a vision to create a contemporary city campus, home to 7,000 students by 2025.

UOW's Sydney Business School is located in Circular Quay, in the heart of Sydney's financial district. Accredited by the Association to Advance Collegiate Schools of Business (AACSB) International and offering award-winning business courses, the Sydney Business School maintains strong links with industry, business and government to ensure that programs reflect both industry and student needs.

UOW Southern Sydney is located at Loftus, on the city's southern outskirts, and is a joint initiative of the University, the Sydney Institute of TAFE Sutherland College, and Sutherland Shire Council.



REGIONAL CAMPUSES

Regional campuses broaden access, work toward inclusive excellence, foster a vibrant student experience and deepen community partnerships. UOW has become a national model for multi-campus universities.

In 1993, UOW established the first of its regional campuses in the Shoalhaven, so that residents of the area could benefit from a university education without the need to travel long distances or live away from home. Since then, the network has been extended to include Batemans Bay and Bega on the NSW South Coast and Moss Vale in the Southern Highlands.

Each centre offers a range of undergraduate and postgraduate degrees, with teaching on-site and via high-speed internet links with the Wollongong Campus.

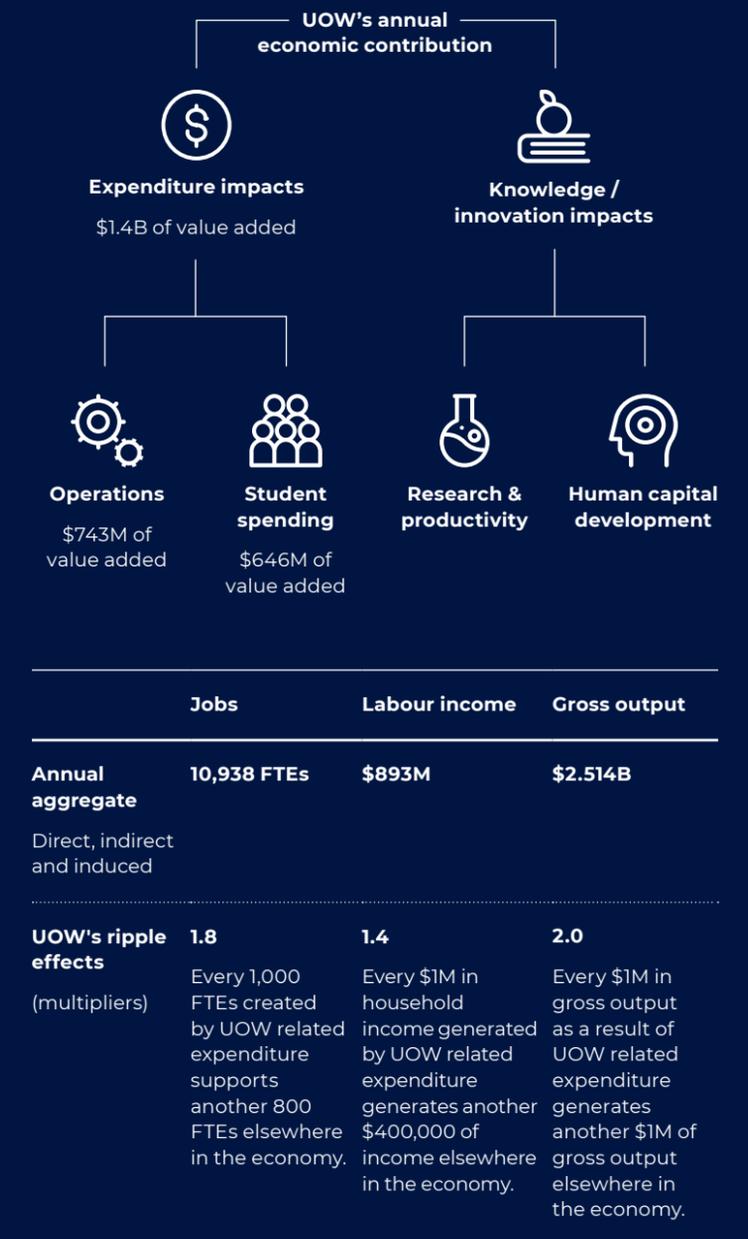
Each campus has its own strengths and points of difference. Bega has the Bega Valley Innovation Hub. Batemans Bay has an award-winning track record for community engagement, especially with the local Indigenous communities. Southern Highlands is our "literary" campus, sponsoring the Southern Highlands Writers' Festival and runs a campus theatrical group. And Shoalhaven is our "bush campus", located on land donated by the local Indigenous community.

Economic Impact

UOW plays a fundamental role in driving social and economic change in communities across NSW and Australia. We are invested in improving the economic, social and cultural life of everyone within our communities.

We are leading locally by competing globally.

impact.uow.edu.au



International campuses

UOW has campuses in the United Arab Emirates, Hong Kong and Malaysia and a presence in China and Singapore. Our partnerships with a number of international education institutions provide students with opportunities to access quality education delivered by UOW outside Australia.



UOW IN DUBAI

University of Wollongong in Dubai (UOWD) is one of the UAE's oldest and most prestigious universities. Established in 1993, UOWD represents a pioneering Australian initiative in the Gulf region that has grown into a comprehensive, dual-accredited institution. UOWD provides a comprehensive range of undergraduate and postgraduate degrees in Business and Management, Finance and Accounting, Humanities and Social Sciences, and Computer Science and Engineering.

UOWD opened the doors to its 200,000 sq ft state of the art 'Campus of the Future' at Dubai Knowledge Park in August 2020.

uowdubai.ac.ae

UOW COLLEGE HONG KONG

UOW College Hong Kong (UOWCHK), formerly Community College of City University, has over 35 years' experience in providing quality tertiary education in Hong Kong. Since July 2015, the College has been in a formal alliance with UOW through which our students' horizons and learning experiences have been widened and enriched via visits by UOW academics or exchange programs to UOW. Through UOWCHK, UOW offers top-up programs in Communication and Media Studies, Psychological Science, Computer Science and Business.

cityu.edu.hk/cccu

UOW MALAYSIA KDU

UOW has delivered programs in Malaysia for more than 10 years. In 2019, KDU University College became part of the University of Wollongong Australia Global Network and known as UOW Malaysia KDU.

UOW Malaysia KDU has more than 5,000 students, including international students, at three campuses, with a fourth being built at Batu Kawan, Penang. UOW intends to offer undergraduate and postgraduate programs as well as research opportunities at the new Batu Kawan campus, to meet the emerging needs of that region.

uowmkdu.edu.my

TRANSNATIONAL EDUCATION PARTNERS

CENTRAL CHINA NORMAL UNIVERSITY WOLLONGONG JOINT INSTITUTE

The Central China Normal University Wollongong Joint Institute (CCNU) is a key comprehensive university directly under the administration of the Chinese Ministry of Education.

CCNU is recognised as an important base for cultivating brilliant talents for the country, as well as a superior training centre for excellent teachers in higher learning institutions and high schools. UOW's Master of Computer Science and Master of Engineering (Telecommunications) are offered at CCNU.

PSB ACADEMY, SINGAPORE

PSB Academy, established in 1964, has an enrolment of over 11,000 local and international students. PSB Academy and UOW have been in partnership for 10 years, offering students a range of course options from UOW's Faculty of Business.

SIM GLOBAL EDUCATION

The Singapore Institute of Management - SIM Global Education is the leading provider of higher education and professional training in Singapore, reputed for its dedication to lifelong learning, high standards and quality. SIM Global Education, an educational brand under SIM, offers a wide range of high quality degree programs in both full-time and part-time options via its partnerships with established international universities. UOW offers high-quality degree programs in partnership with SIM UOW, including courses in Computer Science, Information Sciences and Psychology.

TWINNING ARRANGEMENTS

UOW's twinning arrangements are formally recognised by the Chinese Ministry of Education. Students are able to complete part of their program at their home institution and then transfer to UOW to complete the remainder of their degree.

BEIJING JIAOTONG UNIVERSITY

Beijing Jiaotong University is a national key university listed in the "National 211 Project" and the Double First Class University Project, with several disciplines in the First Class Discipline status. It is one of the prominent universities in the world for Transportation Science and Technology, including high speed trains. Students also have the opportunity to study a UOW Engineering degree in Mechatronics.

ZHENGZHOU UNIVERSITY, CHINA

Zhengzhou University is a national key university, is listed in the "National 211 Project" and is one of the top 42 Chinese First-Class universities in the Double First Class University Project. Through the twinning arrangement, students have the opportunity to study UOW degrees in Engineering and Computer Science.

TIANJIN POLYTECHNIC UNIVERSITY, CHINA

Tianjin Polytechnic University is under the joint management of the Chinese Ministry of Education and Municipal Government, providing students with an opportunity to study UOW degrees in Engineering. The University has one discipline in the First Class Discipline status in the Double First Class University Project.

Our global community

PARTNERSHIPS FOR IMPACT

UOW is a global community of learners, researchers, experts and leaders. We tackle challenges through our global transformation hubs in partnership with our students, community and industry to deliver positive change. These hubs draw on the local expertise and advantages of our global sites.

We have more than 270 academic and research collaborations across the world, with institutions in 46 countries providing Study Abroad and Student Exchange global links.

UNIVERSITY GLOBAL PARTNERSHIP NETWORK

UOW is the Australasian member of the University Global Partnership Network (UGPN). The UGPN is a foundation for international collaboration, enabling academics and students from some of the world's top universities to work together on issues of global importance. The UGPN comprises the Universidade de São Paulo, North Carolina State University, the University of Surrey and UOW.

GLOBAL LEARNING

UOW has Study Abroad and Student Exchange partnerships with 200 universities in 46 countries.

Student mobility between Wollongong and overseas institutions broadens both the experiences of the students who travel abroad, and those studying in Australia, who are joined in the classroom by international students with different perspectives on the world.

GLOBAL GOES VIRTUAL

International travel is on hold right now, but we've adapted quickly to bring our students invaluable global opportunities.

A range of global learning online programs: short courses, online internships, leadership forums, and cultural immersion experiences have been developed to enhance the student experience at UOW while we navigate COVID-19.

UOW's Global Learning Online Programs have been designed to breakdown barriers and make global learning experiences accessible to everyone. Providing opportunities to learn, connect or intern with universities and organisations globally, the programs offer a variety of options across a range of discipline areas, all without leaving home.

WHERE ARE OUR PARTNERS?

-  Austria
-  Belgium
-  Brazil
-  Canada
-  China
-  Czech Republic
-  Denmark
-  Estonia
-  Finland
-  France
-  Germany
-  Greece
-  Hong Kong
-  Hungary
-  Iceland
-  India
-  Indonesia
-  Ireland
-  Italy
-  Japan
-  Latvia
-  Lithuania
-  Malaysia
-  Malta
-  Mexico
-  Netherlands
-  New Caledonia
-  New Zealand
-  Norway
-  Philippines
-  Poland
-  Portugal
-  Romania
-  Singapore
-  Slovakia
-  Slovenia
-  South Korea
-  Spain
-  Sweden
-  Switzerland
-  Taiwan
-  Thailand
-  Turkey
-  UAE
-  UK
-  USA

● Size indicates total number of UOW academics collaborating on research projects

● Countries with a UOW campus or teaching location

Driving transformation

Transforming education research industries healthcare communities

As a modern university, we are uniquely placed to understand and respond to change.

UOW's mission is to transform people and the world we live in. To do this we connect our communities into an international network of businesses, collaborators, researchers, students, governments and investors.

At UOW, we are driving change that is relevant to regional priorities but with global impact. Our initiatives are transforming education, research, industries, healthcare and communities.

TRANSFORMING EDUCATION

Education that empowers

We are recreating our learning environment to be truly global, delivering a distinctive UOW experience across all our locations. We foster a knowledge exchange and provide students with opportunities to enrich their experiences and build lifelong networks.

Modernising curricula

A comprehensive approach that optimises curriculum as a structure for student learning and experience.

We focus on what we teach, how we teach, how we assess learning and how we support students to maximise success. This transforms student learning and graduate outcomes, teaching practices and educational leadership. These themes are underpinned by a set of design principles:

- **Transition** – enabling a smooth, supported shift into higher education and a successful transition to the world of work and lifelong learning.
- **Synthesis** – providing multiple, connected and sequenced opportunities for students to share, synthesise and integrate their learning.
- **Broadening** – encouraging a breadth of focus for learning beyond the student's primary area of study and recognising the value multi-disciplinary teams bring to the modern workplace.

Increasing employability

Through our graduate employment support, employability workshops, internship and placement programs, UOW continues to ensure our graduates are highly sought after by employers.

Our students closely collaborate with industry to increase their employability through UOW's Work Integrated Learning Plan (WIL). Hundreds of organisations are involved in supporting students, from Wodonga to Bega, Canberra, the Southern Highlands, Nowra and Sydney. Students are involved in innovations such as automatic CPR machines and wearable devices, working in prototype creation through to developing lean start-up businesses. The suite of workplace programs is co-developed by industry partners.

Our UOWx program recognises the active contribution students make to the University, local communities, and their own personal and professional development. The program recognises co-curricular activities across the University that range from leadership opportunities, mentoring, community engagement, entrepreneurship and employability, creative communities, and global-minded opportunities. UOWx connects students with more than 250 different types of paid and volunteer roles across eight onshore campuses. Students gain formal endorsement from UOW through the program, which enables graduates to stand out to employers.



1st

No. 1 overall in NSW for Undergraduate studies
Quality Indicators for Learning and Teaching 2020



5 stars

across all Educational Experience indicators
Good Universities Guide 2021

Top 200

UOW is consistently rated in the top 200 universities in the world for the quality of our graduates (QS Graduate Employability Rankings 2020)

62nd

in the world for graduate employment rates (QS Graduate Employability Rankings 2020)

128th

in the world for partnerships with employers (QS Graduate Employability Rankings 2020)

75%

of domestic UOW graduates are employed full time within four months of completing their course (Good Universities Guide 2021)



Expanding access and participation

UOW has a proud history of working closely with our communities to increase participation and attainment of underrepresented groups in higher education. Our student cohort represents one of the most diverse student bodies in any Australian higher education institution. We facilitate student diversity by creating mutually beneficial partnerships with schools, pathway providers and broader communities.

At UOW we look past the numbers. For underrepresented student groups we take into account their personal circumstances and their achievements as part of their application. Our outreach activities increase the aspirations of individuals in our communities, where current students from similar backgrounds enter schools to inspire and support.

Our regional campuses play a significant role in strengthening engagement, social inclusion and Indigenous participation. Through these campuses, we aim to improve educational outcomes for regional students.

FIRST-IN-FAMILY

Our First Generation Program brings together students and families to share their successes and their experiences. The program provides opportunities for students to create networks through mentoring and celebration events across all campuses. First-in-family students make up 62.5 per cent of the Batemans Bay Campus student population, while 53.5 per cent of students at our Shoalhaven Campus are the first in their family to attend university.

INCREASING INDIGENOUS PARTICIPATION

The Woolyungah Indigenous Centre (WIC) at UOW is committed to increasing the participation of Indigenous Australians in tertiary education. The Centre provides programs and facilities that encourage and support Indigenous Australians from entry to university through to successful completion. The Centre also offers grants and other financial assistance.

PATHWAYS INTO UOW

For over 30 years, UOW College Australia has helped students to gain entry to UOW through English language and pathway programs, as well as offering a range of job-ready qualifications. It delivers its vocational and pathway programs at multiple locations, including UOW's Wollongong, South Western Sydney and regional campuses.



INSPIRING OTHERS TO SUCCEED

Rhiannon and Skye Auld, twin sisters from Jervis Bay on the South Coast of NSW, are the first in their family to go to university.

"I chose the Bachelor of Nursing because I wanted a fulfilling career, where I felt like I could make a difference and have an impact for others," Skye says.

"I want to work with people and I want to do work that is meaningful and can affect change," adds Rhiannon, who is studying a Bachelor of Law and International Studies (International Relations).

"The Woolyungah Indigenous Centre (WIC) at UOW has supported me through every twist and turn in my journey," Skye says.

"Our sister now wants to go to uni, and she wants to have a good career. Our path has shaped hers."

SOCIAL INCLUSION/PARTICIPATION RATE

17.5%

Students of low socio-economic status

14.7%

Students with disabilities

29.9%

Students from regional and remote areas

2.4%

Domestic students identifying as Aboriginal or Torres Strait Islander

TRANSFORMING RESEARCH

Driven by discovery

Our researchers dedicate their careers to finding solutions to society's most pressing challenges. They work with some of the world's best research partners to solve the biggest questions facing society, striving towards a better quality of life for future generations.

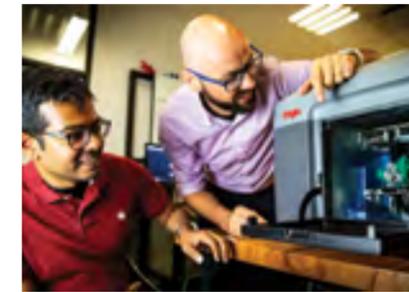


Delivering impact for a better world



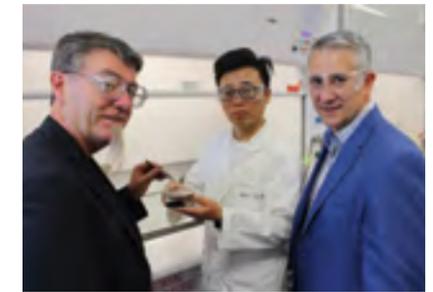
UNLOCKING THE HISTORY OF HUMAN EVOLUTION

For the past seven years, academics from the UOW Centre for Archaeological Science have been working with colleagues from Russia, Canada, Germany and the UK to shine new light on the history of Neanderthals and Denisovans. By measuring more than 280,000 individual grains of sand using a method called optical dating, researchers have been able to determine when the sediment layers containing the fossils and artefacts were deposited at Denisova Cave.



CURBING ANTIMICROBIAL RESISTANCE

Interdisciplinary research groups in Wollongong have been focused on antimicrobial resistance for several years and they will soon be propelled even closer to answers with UOW's Molecular Horizons: Centre for Molecular and Life Sciences. Researchers are tackling the superbug challenge from all angles: understanding the science of superbugs, developing new drugs and diagnostic equipment, determining how superbugs travel, and how changes in our behaviour could stop them from spreading.



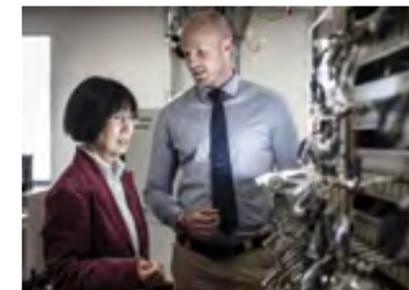
AIMING TO TREAT ILLNESSES WITHOUT DRUGS

Researchers at UOW's Intelligent Polymer Research Institute are working towards the ability to administer electroceuticals (electrical impulses) that target specific neural circuits in body tissues and organs affected by an illness. Being able to listen in to how vital organs talk to one another creates opportunities to compare signals of a healthy organ with one that is suffering from a pathological condition, and then adjust the neural signals of the diseased organ to behave like the healthy subject using electroceuticals (that is, without drugs).



CREATING BETTER FUTURES FOR CHILDREN

UOW researchers at Early Start are working with regional and remote communities to enhance outcomes for children and their families. Embedding technology in 41 early learning centres serving predominantly low-income and disadvantaged communities, they have been able to enhance professional development for educators and subsequent learning and development impact on children. The technology has been leveraged to provide support, offer cross-centre collaboration, and collect data in order to provide feedback on areas to prioritise and to drive change.



AN ENERGY STORAGE REVOLUTION

UOW is leading a project to develop game-changing sodium-ion battery technology. Researchers at UOW's Institute for Superconducting and Electronic Materials are prototyping modular and expandable battery packs, to develop and demonstrate new sodium-ion battery technologies for use in renewable energy storage applications, reducing our reliance on lithium.



FOOD SECURITY IN THE PACIFIC

UOW researchers are helping to build a stronger, coordinated approach to coastal fisheries across the Pacific. Framed within the regional strategy, A New Song for Coastal Fisheries – Pathways to Change aims to improve and scale community-based fisheries management in Kiribati, the Solomon Islands and Vanuatu. This includes improving the opportunities and viability of livelihood diversification, increasing social and gender equity in coastal fisheries governance and promoting food and nutrition security in the Pacific.



Transcending disciplines

UOW's Global Challenges Program encourages and develops creative and community-engaged research that helps drive change in our regions, with the potential to be translatable across the globe.

From Wollongong to Vietnam, Brazil, Jakarta, Kiribati, Bhutan and Antarctica, our projects are far reaching while our networks continue to multiply with 600 researchers collaborating on over 100 interdisciplinary projects. With a focus on diversity and gender equality, the program invests in the next generation of research leaders.

MANGROVES STUDY A EUREKA MOMENT

Global Challenges supports the project Blue Carbon Futures, which researches the challenges and opportunities for mangrove carbon sequestration in different spatial and socio-economic settings globally.

The Blue Carbon Futures team, led by UOW, won the 2019 NSW Environment, Energy and Science Eureka Prize for Environmental Research for its study which found that coastal wetlands capture more carbon as sea levels rise.

The Australian Museum Eureka Prizes are Australia's leading science awards, recognising and supporting scientific excellence.

31st

university in the world in social and economic impact.

Times Higher Education University Impact Rankings 2020

90%

of UOW disciplines that were assessed in the most recent ERA in 2018 were rated 'At', 'Above' or 'Well above world standard'.

Excellence in Research for Australia 2018.

95%

of UOW's disciplines were rated as 'High' or 'Medium' for research impact.

Research and Engagement Impact (EI) 2018.



Combining efforts

The NUW Alliance brings together the University of Newcastle, the University of New South Wales, Western Sydney University and UOW. The Alliance creates new channels for knowledge exchange, innovation adoption, new jobs and new industries for New South Wales and Australia more broadly.

The Alliance is generating strategies and solutions to shorten the transition times between research discoveries and their transformation into products and processes that benefit society. It is collaborating with industry and government to investigate solutions for smart cities, cyber security, healthcare systems and postgraduate and doctoral training, among other collaboration points. These are challenges for NSW that have global implications.

With a core commitment to partnering on future-shaping initiatives throughout NSW, the NUW Alliance has established a program to provide seed funding to support collaborative research projects that deliver genuine solutions for critical issues facing our communities.

Sharing knowledge

Headquartered at UOW, the Australian Research Council Centre of Excellence for Australian Biodiversity and Heritage (CABAH) is transforming the way future generations of researchers are trained and how discoveries will be shared with the wider community.

CABAH is unlocking the environmental and human history of Australia, Papua New Guinea and eastern Indonesia. It aims to raise the representation of Indigenous Australians and female researchers in mid-career and senior ranks.

Our Early Start researchers are engaged in multidisciplinary evidence-based research across the spectrum of children's educational, developmental, physical, cognitive, social and emotional development. Research at Early Start ensures that outcomes are adopted into practice and policy far more rapidly.

Research institutes and facilities

uow.info/research-institutes



ANCORS

The Australian National Centre for Ocean Resources and Security (ANCORS) is Australia's only multidisciplinary university-based centre dedicated to research, education and training on ocean law, maritime security and natural marine resource management. ANCORS has an unrivalled reputation for capacity building in the law of the sea, ocean policy making and maritime security.



MOLECULAR HORIZONS

Molecular Horizons is dedicated to illuminating how life works at a molecular level and solving some of the biggest health challenges facing the world. To enable this world-leading research, UOW has invested in a suite of revolutionary technology including Australia's most powerful biological electron microscope, the Titan Krios cryo-EM microscope.



EARLY START

Early Start's purpose is to help children flourish and realise their potential, particularly those from vulnerable or disadvantaged backgrounds and living in regional and remote communities. It is a revolutionary initiative that uniquely combines research, teaching and community engagement in the earliest years of life.



SMART INFRASTRUCTURE FACILITY

The SMART Infrastructure Facility brings together experts from fields such as economics, modelling, data analytics and system engineering. This expertise is applied to various domains including energy, water, transport and cities and makes SMART an international leader in applied infrastructure research.



AUSTRALIAN INSTITUTE FOR INNOVATIVE MATERIALS

The Australian Institute for Innovative Materials (AIIM) is a modern, purpose-built facility transforming multi-functional materials research into commercial reality. AIIM comprises the Intelligent Polymer Research Institute (IPRI), the Australian Research Council Centre of Excellence for Electromaterials Science (ACES), the Institute for Superconducting and Electronic Materials (ISEM), and Electron Microscopy Centre (EMC).



iACCELERATE CENTRE

The iAccelerate Centre plays a key role in the surge of entrepreneurs and innovators who are transforming Australia's economy and making their mark. The Centre is the largest university-led incubator and accelerator in Australia – with over 60 resident companies in the centre in 2019. A total of 192 companies have been assisted by the program since its inception, delivering 639 new jobs to the region.



SUSTAINABLE BUILDINGS RESEARCH CENTRE

The Sustainable Buildings Research Centre (SBRC) is a multidisciplinary facility addressing the challenges of making built environments sustainable. The centre is pioneering new approaches to building design, construction and retrofitting techniques to create more effective places to live and work. The SBRC building is the first in Australia to be certified under the Living Building Challenge (LBC) framework for sustainable, regenerative buildings. It is also 6 Star Green Star- Education Design v1 accredited.



ILLAWARRA HEALTH AND MEDICAL RESEARCH INSTITUTE

As an independent medical research institute, the Illawarra Health and Medical Research Institute (IHMRI) helps its partners, UOW and the Illawarra Shoalhaven Local Health District to advance health and medical research. It provides a range of services to help researchers find new insights into disease and illness, devise prevention strategies, and develop more effective treatments and healthcare services.

TRANSFORMING FUTURES

Making an impact

UNIVERSITY OF WOLLONGONG

UNIVERSITY PROFILE 2021

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Ambae resident on Maewo Vanuatu. UOW's ANCORS is working with the Vanuatu Government to support coastal fisheries development.

The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint to achieve a better and more sustainable future for everyone.

Universities have enormous potential to help ensure the SDGs are achieved by 2030. The 17 Sustainable Development Goals (SDGs) include alleviating poverty, protecting the environment, providing affordable and clean energy, fostering innovation, building sustainable cities and communities, and tackling climate change. The role of universities in sustainable development extends beyond teaching and research. We also contribute through our operations, governance, policy and practice, and through partnerships and engagement with our communities.

Achieving these goals requires action to be taken on a number of levels. This includes equipping future leaders and innovators with the knowledge to initiate change, executing research that works with industry and community to find solutions to global challenges, and ensuring our campuses are environmentally sustainable and inclusive.

Throughout our global network, the University of Wollongong works together with industry, research partners, governments, communities and other universities to provide solutions to society's critical economic, environmental, social and health challenges. UOW's transformative work was recognised in the Times Higher Education University Impact Rankings 2020, where we were ranked 31st in the world based on our success in delivering outcomes addressing the SDGs.

Find out more and view the full UOW Sustainable Development Goals Report at uow.info/sdgs

UNIVERSITY OF WOLLONGONG

UNIVERSITY PROFILE 2021

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TRANSFORMING INDUSTRIES

Creating the future

We are providing solutions that support emerging businesses and transform core industries to adopt advanced technologies and innovative systems. We create environments where entrepreneurship and innovation can thrive so research can be transferred into commercial products and services.

MANUFACTURING THE FUTURE

UOW's world-class capabilities provide a deep base of research and commercialisation capacity that greatly magnifies the potential for small and medium-sized enterprises (SMEs) to grow and compete.

The Innovation Campus is a significant investment by the University to drive economic transformation of the Illawarra by creating jobs and industry and attracting businesses, research and investment.

MEDICAL TECHNOLOGY

Within the Innovation Campus, researchers at the Australian Institute of Innovative Materials (AIIM) are developing biomedical devices that replicate organs and other body parts, while also designing and manufacturing machines to make them. Drawing on this expertise, the TRICEP initiative – Translational Research Initiative for Cellular Engineering and Printing – offers SMEs, research institutions and industry the opportunity to partner with leading researchers to develop and commercialise 3D printing technologies for use in the medical industry.

SOLVING ENERGY DILEMMAS

UOW's strengths in energy research include renewable energy systems and integration, power systems, power quality and reliability and battery energy storage systems.

This includes high-performance lithium-ion batteries, smart battery management for electric vehicles and developing sodium-ion battery technology. We are also delivering innovative solutions for sustainable energy supply to lessen Australia's reliance on traditional energy sources, such as fossil fuels. This includes work in fabricating high-performance electrocatalysts for use in water splitting to release hydrogen gas.

SUSTAINABLE HOMES

UOW is pioneering inspiring, innovative solutions for sustainable, healthy and affordable homes through its work at the Sustainable Buildings Research Centre (SBRC).

Researchers at SBRC – proven leaders in sustainability practices – are working with major corporate partner BlueScope to develop and test next-generation steel building products.

The SBRC team also supported two successful Solar Decathlon campaigns - winning first place in 2013 in China and second place in 2018 in Dubai.

SMART CITIES

UOW's SMART Infrastructure Facility is developing computer system intelligence and technologies to assist with the development of highly digitized, future factories – otherwise known as 'smart factories'.

Led by SMART, the Wollongong Digital Living Lab has also transformed Wollongong into a 'smart city'. The open, free-to-air platform is accessible to the entire community to use for research and to test Internet of Things (IoT) projects. The platform already hosts a wide range of applications, from a shark alert app to a map for firefighters to find hydrants quickly.

SMART's IoT Hub is a dedicated research space for the development of sensor and IoT technologies and is open to the community, entrepreneurs and start-ups.



DEFENCE OPPORTUNITIES

UOW has made significant research and development contributions to major Defence projects, particularly in the fields of welding, robotics, automation and materials. Projects include the Bushmaster and Hawkei armoured vehicles built by Thales Australia, maritime welding and fabrication for the Collins Class Submarines and the Air Warfare Destroyers.

UOW works with partners including the Australian Nuclear Science and Technology Organisation to deliver solutions and technology to the challenges faced by Defence. This work is not only delivering the capabilities needed to protect the nation, but is also creating jobs and boosting many areas of the economy, offering new market opportunities for Australian businesses, particularly SMEs.

BLUE ECONOMY BENEFITS

The Launching a Blue Economy project at UOW sees researchers working with organisations to assess what blue economy base exists in our region. The South Coast team aims to explore the evolution of maritime clusters as a way to bring together SMEs with similar interests.

Researchers have so far mapped 40 stories under the themes of social and cultural significance, environmental sustainability, innovation and economic potential, and effective governance. This includes a project that is using seaweed extracts for wound healing.

The biotech collaboration between the ARC Centre of Excellence for Electromaterial Science (ACES) at UOW, Dr Pia Winberg of Venus Shell Systems and Nowra manufacturer NowChem has resulted in Skin from the Sea – a project to fast-track the development and commercialisation of seaweed wound healing materials.



FOSTERING INNOVATION

The iAccelerate Centre business incubator and accelerator is helping regional entrepreneurs create new high-growth businesses and grow existing ones.

It is the largest university-led incubator and accelerator in Australia and is a catalyst for regional innovation. It is helping to support start-ups, foster growth and innovation in established companies, and provides pathways for researchers to commercialise their ideas.

Through the Bega Valley Innovation Hub (BVIH), the iAccelerate program is providing the Bega Valley community with access to the tools and support to create a thriving economic future through increased job creation and opportunities.

iAccelerate has established close international partnerships in Sri Lanka, Vietnam and Portugal, with opportunities being sought in New Zealand and India. These partnerships align with iAccelerate's vision for a physical, as well as virtual, global ecosystem that will promote opportunities for iAccelerate residents and mentors.

BOOST FOR BUSINESS

UOW is helping researchers and businesses find their ideal partners through Advantage SME. This program helps build beneficial partnerships so that research can be transformed into successful new products, services and capabilities.

The Advantage SME Generator Lab connects SMEs and big businesses with UOW researchers and other SMEs to solve their innovation problems by using disruptive technologies.

UOW's Advantage SME program administers leveraged funding support provided by the NSW Department of Industry. The funding aims to promote innovations in SMEs and is delivered in the form of TechVouchers and/or Collaborations Vouchers.

TECHNOLOGY ADOPTION

The Facility for Intelligent Fabrication (FIF) is a partnership between UOW, TAFE NSW and Weld Australia to assist SMEs to identify and implement welding and manufacturing automation-related technology, backed with technical education, training and certification support.

The facility assists SMEs to skill up, using UOW's expertise in advanced manufacturing which has been developed over more than 20 years of supporting work in both the fabrication and defence sectors. The FIF brings together the three partners and their networks to provide expertise, technology, equipment and education in a "one-stop shop".

Healthier communities

UOW is committed to improving the health and wellbeing of those in our communities, particularly people living in rural, regional and remote areas. Our Health and Wellbeing Strategy leverages our expertise in medical research, education, research application, and high impact science and harnesses the collective talent across UOW and its partners.

HEALTH AND WELLBEING PRECINCT

This Precinct will include a primary and community health clinic which offers truly integrated patient-centred healthcare, aged care and retirement living facilities, and research and teaching programs. This project will provide the greater Illawarra region with research, innovation, world-leading healthcare services, significant employment opportunities and capital investment. With construction planned to begin in 2022, the Precinct will provide an inspiring model for other regional areas across Australia and the world.

MOLECULAR HORIZONS

Molecular Horizons is a centre for molecular and life sciences which houses Australia's most advanced and powerful microscope – the FEI ThermoFisher Titan Krios cryo-electron microscope. The work at Molecular Horizons will provide an understanding of how unwanted immune activity can cause disease, how bacteria can become resistant to antibiotics, and how certain cell signalling events drive the development of cancer.

MIND THE GaP

MIND the GaP (Mental Illness in Nowra District: Goals and Prevention) is a joint initiative of the Australian Government, Shoalhaven City Council and UOW to address the high level of mental health needs in the Shoalhaven, particularly among vulnerable and younger people.

RURAL AND REGIONAL HEALTH

UOW's School of Medicine is the only medical school in Australia with an admission process that specifically targets students from rural and regional backgrounds. UOW attracts a higher proportion of rural applicants than any other NSW medical program, with an average 68 per cent rural intake.

NURSING EDUCATION

The Western Sydney Nursing Education and Research Centre (WeSNER) is helping to expand South Western Sydney's capacity to meet increasing healthcare needs, much like the Bega Nursing Clinical Learning Facility, which is already providing benefits to the local community.

TRANSFORMING COMMUNITIES

We stand together

UOW has a clear role in serving our communities and to share our knowledge and expertise with them for mutual betterment. We welcome the diversity of our communities within Australia and internationally.

UOW's Dr Natascha Klocker, a Community Engagement Grants Scheme recipient, is working alongside former refugees and local organisations, to help migrants gain access to unused farmland.

Community at our heart

UOW's origins can be traced to a community fundraising campaign more than half a century ago, which provided the foundations for a small technical-based institution. From that provincial feeder college of 300 students, we have grown to the world-class international university we are today.

Throughout this time, the University has maintained a close connection with the communities of the Illawarra, Shoalhaven, South Coast and the Southern Highlands. This founding partnership with our communities and donors continues to shape our thinking and nourish our resolve to create a better future.

At UOW, we have a social responsibility to maximise the benefits that the institution can generate for the public. We therefore provide important cultural, intellectual, artistic, recreational and medical resources, which add to the vibrancy, creativity and dynamism of our local communities.

Our students and staff also participate and make important contributions to local projects through volunteering and other activities.

Philanthropy is, and always has been, the backbone of UOW and we continue to work in partnership with philanthropists, corporate and community organisations to support shared priorities in education and research.

TRANSFORMING FUTURES SCHOLARSHIP

From our very beginning, we have been committed to equity, fairness and social justice. For many in our region, university is still not a realistic expectation.

The University has partnered with those in our communities for over 12 years to offer this scholarship to hardworking and talented students from disadvantaged backgrounds who have been involved in activities that give back to the community. Together we have raised more than \$800,000 and welcomed more than 120 scholars.

Influential alumni empowering others

UOW alumni are a vibrant global community of more than 163,000 leaders and innovators. We are proud of our graduates, who are recognised for their success in the global workplace and for empowering the lives of others.

UOW maintains ongoing relationships with alumni (of which 34.7 per cent live overseas) through an annual program of events, educational opportunities, special alumni benefits and communications.



ADAM EVERILL
BACHELOR OF ARTS (2009)

As domestic violence against women and equal opportunity make their way even further into the spotlight for all the wrong reasons, Adam is taking a stand. His passion for social justice and gender equality was evident during his time at UOW where he was awarded Club Person of the Year while President of the UOW Amnesty International Society.

Adam established Equal Playing Field, an organisation which uses sport to promote gender equality and end violence against women in Papua New Guinea and around the world. Adam was able to attract \$7 million in corporate, private and government funding to establish the organisation, alongside business partner and Papua New Guinean Jacqui Joseph.

Having worked with more than 10,000 students, 200 teachers and countless community members and volunteers, Equal Playing Field has created cultural change across the Pacific.

Supporting community projects

COMMUNITY ENGAGEMENT GRANTS SCHEME

Funding grassroots projects which impact our communities, this scheme encourages UOW staff to partner with community organisations and attract grants worth up to \$13,000 to address a community need. Established in 2005, over \$700,000 and 80 projects that benefit local communities.

UOW COMMUNITY INVESTMENT PROGRAM

UOW plays an active role in advancing and championing social, cultural, environmental and economic developments in our regional communities. UOW collaborates with and invests in local organisations through initiatives including our Community Investment Program.

UOW CARES

UOW Cares provides opportunities for staff at UOW to make a real difference by making regular donations to charitable organisations. Some of these include, Australian Indigenous Mentoring Experience (AIME), Autism Spectrum, Landcare Australia, Strategic Community Assistance to Refugee Families (SCARF), Mind the GAP, Motor Neurone Disease Research, and UOW Art Collection.

Local connections

Regional campuses broaden access, work toward inclusive excellence, foster a vibrant student experience and deepen community partnerships.

We have become a national model for multi-campus universities, with each of our regional campuses having deep connections with businesses, schools, and community organisations. These campuses address workforce needs to sustain local services and enterprises.

UOW provides the economic leadership to grow and develop vibrant, prosperous and globally competitive communities.

Through our South Western Sydney Campus at Liverpool, UOW is offering courses to meet the demands of the Great South West.

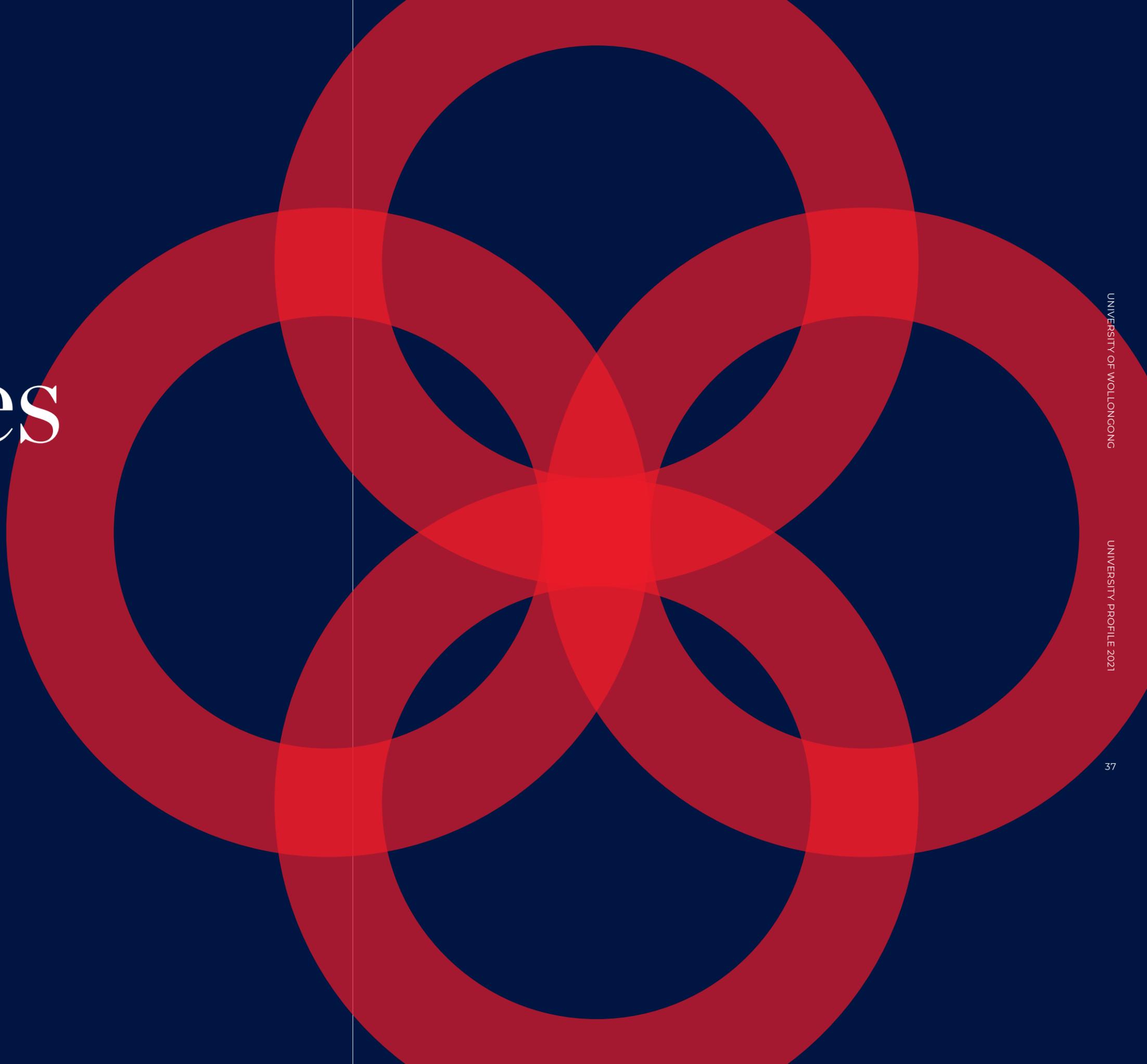
UOW is one of four Australian universities that are working together to establish a “multiversity” at the new Western Sydney Airport. Increased flights and services into Western Sydney will provide follow-on benefits to the greater Western Sydney area and the Illawarra-Shoalhaven.

UOW has established the South Western Sydney Advisory Committee, which has strengthened links with Liverpool Hospital and the Local Health District, Western Sydney Airport Corporation, Western Sydney Migrant Resource Centre, and Liverpool City Council.



Faculties

UOW's faculties are the foundations of the institution and represent our commitment to providing world-class teaching to past, present and future students.



The Arts, Social Sciences & Humanities

uow.info/facultyassh

The Faculty of the Arts, Social Sciences and Humanities brings people and place to life, and from that, our desire to think, examine, express and create.

As a faculty, we act collectively for positive social change. Our purpose is to provide the foundation in knowledge and inspiration for living and to work towards a better life for everyone, particularly those who are most vulnerable in society.

We promote ways in which people can live meaningful, healthy, secure and sustainable lives as well as improving our understanding of human thought, culture and art, to advance an inquisitive, harmonious and equitable society.

OUR SCHOOLS

- The Arts, English and Media
- Education
- Geography and Sustainable Communities
- Health and Society
- Humanities and Social Inquiry
- Liberal Arts
- Psychology

ENTITIES

- Early Start
- UOW Art Collection

OUR RESEARCH

- Animal Studies Research Network (ASRN)
- ARC Centre of Excellence for the Digital Child (ACDC)
- Australian Centre for Cannabinoid Clinical and Research Excellence (ACRE)
- Australian Centre for Culture, Environment, Society and Space (ACCESS)
- Australian Centre for Electromagnetic Bioeffects Research (ACEBR)
- Australian Centre for Health Engagement, Evidence and values (ACHEEV)
- Centre for Collaborative Research in Health Psychology and Wellbeing

- Centre for Colonial and Settler Studies (CASS)
- Centre for Critical Creative Practice (C3P)
- Centre for Critical Human Rights Research (HRR)
- Centre for Higher Education Research, Innovation and Impact (CHERII)
- Centre for Occupational, Public and Environmental research in Safety (COPERSH)
- Cognitive Basis of Atypical Behaviour (CBAB)
- Contemporary Emotions Research Network (CERN)
- Early Start
- Feminist Research Network (FRN)
- Foodways
- Health Psychology: Research Group for Health Behaviour Promotion
- Inclusive Community Based Research Group (ICBRG)
- Interdisciplinary Discourse analysis in Education, Arts and Social Sciences (IDEAS)
- Multimodal Imaging of Brain Function
- Narrative Practices Research Network (NPT)
- Pedagogical Laboratory
- PowerLab: The Population Wellbeing and Environment Research Lab
- Project Air

Engineering & Information Sciences

uow.info/facultyeis

The Faculty of Engineering and Information Sciences is advancing our understanding of the intersection between natural phenomena and human technology.

Using this knowledge we can sustainably improve our environment and society. The faculty has a world-class reputation for excellence in research, strong collaborations with industry and government partners, and innovative approaches to teaching and learning.

OUR SCHOOLS

- Civil, Mining and Environmental Engineering
- Computing and Information Technology
- Electrical, Computer and Telecommunications Engineering
- Mathematics and Applied Statistics
- Mechanical, Materials, Mechatronic and Biomedical Engineering
- Physics

OUR RESEARCH

- Centre for Medical Radiation Physics
- Civil Engineering and Structures
- Engineering Manufacturing
- Engineering Materials Research Centre
- Environmental Engineering and Water Resources
- Geomechanics and Railway Engineering
- Institute for Mathematics and its Applications

- Institute of Cybersecurity and Cryptology
- Mining and Resources
- National Institute for Applied Statistics Research Australia
- Power, Energy and Autonomous Systems
- Quantum Devices, Optics and Solids
- Signals, Information and Communications Research Institute

ENTITIES

- SMART Infrastructure Facility
- Sustainable Buildings Research Centre

Science, Medicine & Health

uow.info/facultysmah

The Faculty of Science, Medicine and Health advances knowledge of the natural world, to improve human and environmental health.

The Faculty of Science, Medicine and Health offers a range of undergraduate and postgraduate programs focused on expanding human knowledge and improving our quality of life.

OUR SCHOOLS

- Chemistry and Molecular Bioscience
- Earth, Atmospheric and Life Sciences
- Medicine
- Nursing

OUR RESEARCH

- Aged Dementia Health Education and Research (ADHERE)
- ARC Centre of Excellence for Australian Biodiversity and Heritage
- Biomechanics Research Laboratory
- Cancer Drug Discovery Group
- Centre for Archaeological Science
- Centre for Atmospheric Chemistry
- Centre for Environmental Risk Management of Bushfires
- Centre for Sustainable Ecosystem Solutions
- Centre for Translational Neuroscience
- Dementia Training Australia
- GeoQuEST Research Centre
- Health Impacts Research Centre
- Illawarra and Southern Practice Research Network
- Proteostasis and Disease Research Centre
- Smart Foods Centre

UOW RESEARCH INSTITUTES

- Molecular Horizons

Business & Law

uow.info/facultybal

The Faculty of Business and Law advances cutting-edge knowledge across the fields of business and law and promotes responsible leadership, sustainable practices and social justice that contributes to a stronger economy and a more harmonious and just society.

Our law school is ranked in the top 100 in the world, and the Association to Advance Collegiate Schools of Business (AACSB), ranks UOW among the top 5% of business schools in the world.

OUR SCHOOLS

- Business
- Law
- Sydney Business School, University of Wollongong

OUR RESEARCH

- Accounting
- Centre for Contemporary Australasian Business and Economics Studies
- Centre for Cross-Cultural Management
- Centre for Human and Social Capital Research
- Centre for Responsible Organisations and Practices
- Economics
- Finance
- Law
- Legal Intersections Research Centre
- Marketing
- Management
- Operations

ENTITIES

- Australian Health Services Research Institute (AHSRI)
- Australian National Centre for Ocean Resources and Security (ANCORS)

Organisational Chart

UNIVERSITY COUNCIL

Chair: Chancellor Ms Christine McLoughlin AM

Vice-Chancellor and President

Professor Patricia M. Davidson

Government Relations Office
 Advancement Division
 Business Assurance (Internal Audit)

SENIOR EXECUTIVE

Senior Deputy Vice-Chancellor	Deputy Vice-Chancellor (Education)	Deputy Vice-Chancellor (Global Strategy)	Deputy Vice-Chancellor (Research & Innovation)	Chief Operating Officer
Professor Joe Chicharo OM	Professor Theo Farrell	Professor Alex Frino	Professor Jennifer L Martin AC	Mr Damien Israel

Pro Vice-Chancellor (Students)	Learning, Teaching and Curriculum	Pro Vice-Chancellor (Middle East and North Africa)	Executive Director Australian Institute for Innovative Materials	Accommodation Services
Library Services	Academic Quality and Standards	Pro Vice-Chancellor (South East Asia)	Dean of Research	Business Improvement and Assurance
Strategic Marketing and Communications	Wollongong Academy of Tertiary Teaching and Learning Excellence	Pro Vice-Chancellor (South Western Sydney)	Graduate Research School	Commercial Developments
Strategic Planning	UOW Online	Corporate Relations (Global)	Research Services Office	Facilities Management
Regional Campuses	Course Portfolio Development & Quality Assurance	International Business Development	Innovation & Commercial Research	Financial Services
Woolyungah Indigenous Centre		International Engagement and Coordination	iAccelerate	Governance and Legal
		Transnational Education and Alliances	Global Challenges Program	Human Resources
		Metropolitan Campuses	Science Space	Information Management and Technology Services
				Institutional Research and Government Reporting
				Student Services
				Student Recruitment
				Print and Distribution Services

FACULTIES

Professor Sue Bennett
 Executive Dean
 Faculty of the Arts, Social Sciences and Humanities

Professor Colin Picker
 Executive Dean
 Faculty of Business and Law

Senior Professor Eileen McLaughlin
 Executive Dean
 Faculty of Science, Medicine and Health

Senior Professor Gürsel Alici
 Executive Dean
 Faculty of Engineering and Information Sciences

UNIVERSITY OF WOLLONGONG

UNIVERSITY PROFILE 2021

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UOW is young, dynamic and innovative, and has become a benchmark for Australia's new generation of universities"

Professor Patricia M. Davidson

Vice-Chancellor and President
University of Wollongong

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